Figure 1

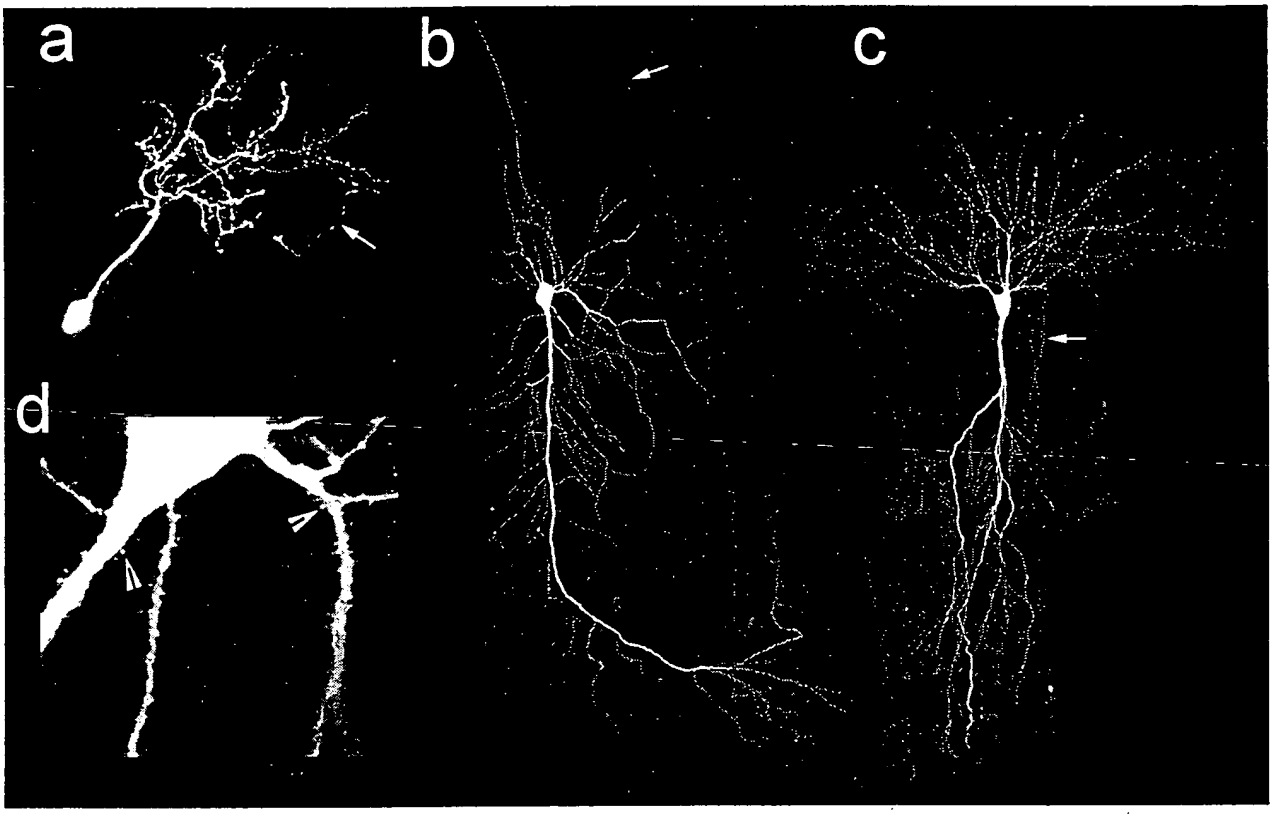

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Figure 2

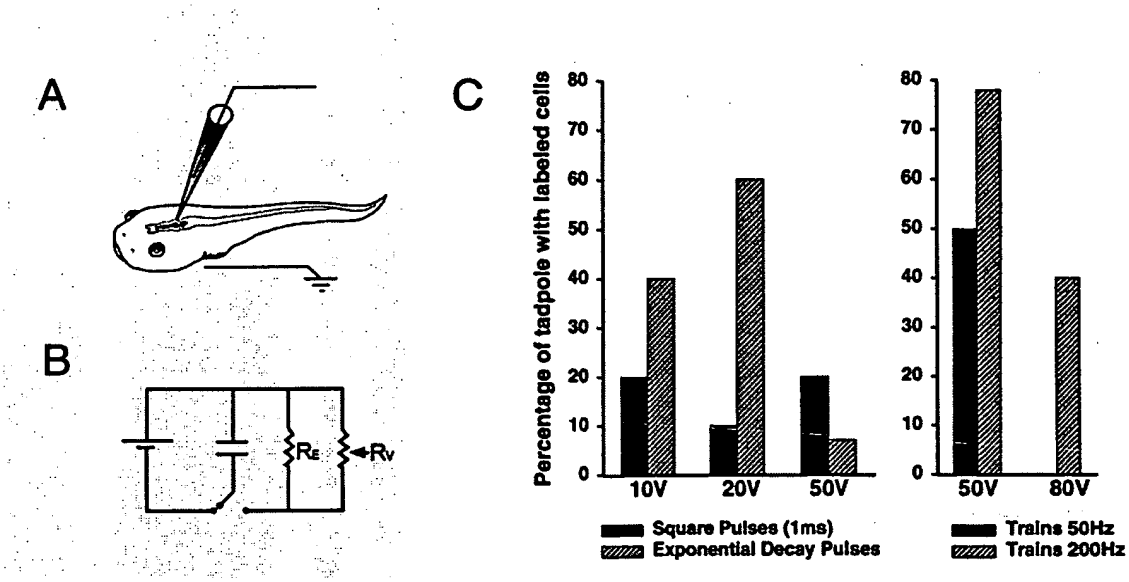
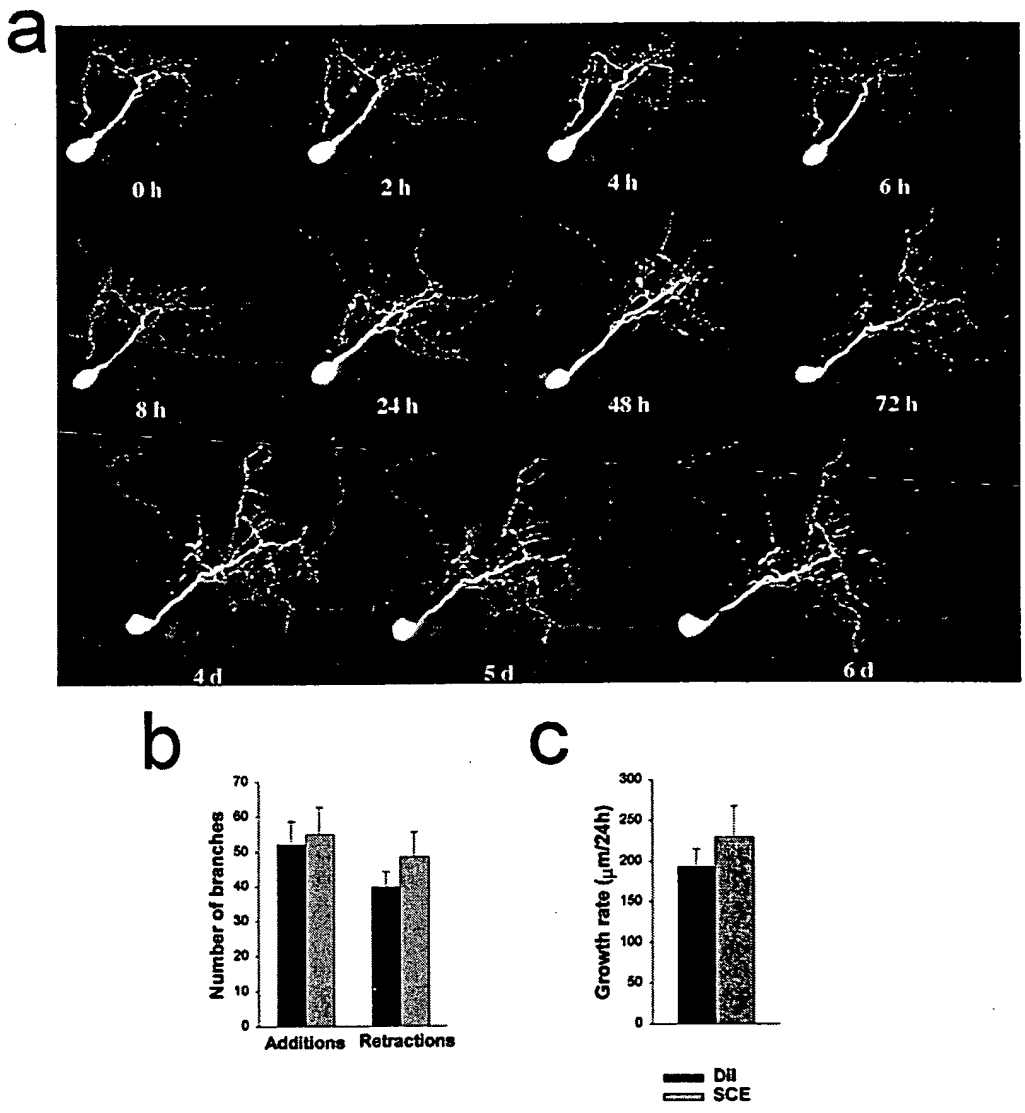

A
B
C
RE
RV
Percentage of tadpole with labeled cells
0
10
20
30
40
50
60
70
80
10V
20V
50V
50V
80V
Square Pulses (1ms)
Exponential Decay Pulses
Trains 50Hz
Trains 200Hz

Figure 3


a
0 h
2 h
4 h
6 h
8 h
24 h
48 h
72 h
4 d
5 d
6 d
b
Number of branches
70
60
50
40
30
20
10
0
Additions
Retractions
c
Growth rate (µm/24h)
300
250
200
150
100
50
0
DiI
SCE

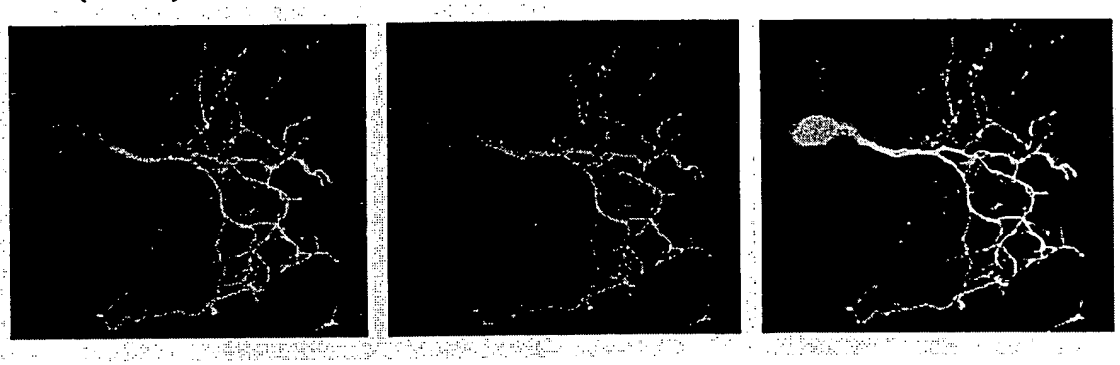



Figure 4